

BATTERY TERMINAL1 ABSTRACT OF THE DISCLOSURE

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3 A connector is provided for coupling a single
4 wire electrical cable to an electrical appliance. The
5 connector includes a body portion, a compression
6 collar, and an end cap. The body portion has an
7 elongated axis at one end of which is a battery
8 terminal attaching portion and at the other end of
9 which is a cable receiving portion that has a threaded
10 outer surface and an internally positioned
11 electrically conductive prong for penetrating the end
12 of an electrical cable. The compression collar is
13 sized to fit over an electrical conductor and has
14 gripping fingers for engaging the surface of an
15 electrical conductor. The end cap has an opening
16 through which a cable can be inserted and includes
17 threads on the inner surface for mating with the
18 threads on the body portion. In practice, an
19 electrical conductor is inserted through the opening
20 in the end cap and through the compression collar and
21 impinged onto the conductive prong of the body
22 portion. Then the end cap is threaded onto the body
23 portion, engaging the compression collar and forcing
24 the gripping fingers of the compression collar into
25 engagement with the surface of the electrical
26 conductor and thereby forcing the electrical conductor
27 into tight engagement with the conductive prong of the
28 connector. One embodiment provides for a cap having
29 the gripping collar positioned and held in the cap by
30 flanges loosely mated to the cap at each end of the
31 collar thereby to allow the cap to rotate
32 independently of the collar.